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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 09/714,273 | 11/17/2000 | Govind Malalur | 108339-09059 | 5515 |

32294 7590 07/30/2003

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EXAMINER

AL HASHEMI, SANA A

| ART UNIT | PAPER NUMBER |
|----------|--------------|
|----------|--------------|

2171

DATE MAILED: 07/30/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

M

Office Action Summary

Application No.

09/714,273

Applicant(s)

MALALUR, GOVIND

Examiner

Sana Al-Hashemi

Art Unit

2171

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-15 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-15 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 17 November 2000 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on ____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☒ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) <u>3</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claims Status: 1-15 are rejected.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1- 15 are rejected under 35 U.S.C. 102(e) as being anticipated by Burrows (US Patent No. 5,745,889)

1. Regarding Claims 1, 8, and 15, Burrows discloses a method of performing a table look-up comprising the steps of:

receiving data through an input source (see Fig. 2, steps 140, column 4, lines 39-49

Burrows);

parsing said data into an index portion (see Fig. 3, 200, column 4, lines 51-56, Burrows), and a corresponding bucket portion (see Fig. 3, 410, and 420¹, column 7, lines 33-39, Burrows);

indexing said index portion to said corresponding bucket portion (see Fig. 2, 40, column 5, lines 2-15, Burrows); and

accessing table information stored in a look-up table (see Fig. 2, 200, Burrows), using said bucket portion (see Fig. 2, 70, column 5, lines 49 –56, Burrows).

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2. Regarding Claims 2, and 9, Burrows discloses a method wherein said step of indexing said index portion to said bucket portion is the step of linearly indexing said index portion to said bucket portion. (see Fig. 3, 200-215, column 7, lines 13-61, Burrows).
3. Regarding Claims 3, and 10, Burrows discloses a method wherein said step of indexing said index portion to said bucket portion is the step of XOR indexing said index portion to said bucket portion (see Fig. 10, steps 1010, and 1014, column 14, lines 10-17, Burrows).
4. Regarding Claims 4, and 11, Burrows discloses a method further comprising the step of sorting said bucket portion (see Fig. 2, step 20, column 4, lines 66-67, column 5, lines 1-3, Burrows).
5. Regarding Claims 5, and 12, Burrows discloses a method further comprising the step of binary sorting said bucket portion (see column 7, lines 33-40, Burrows).
6. Regarding Claims 6, and 13, Burrows discloses a method wherein the step of parsing said data into an index portion and a corresponding bucket portion further comprises the step of parsing said index portion so that said index portion will recur when other data is parsed into said index portion and said corresponding bucket portion (see column 8, lines 43-55, Burrows).
7. Regarding Claims 7, and 14, Burrows discloses a method further comprising the step of storing information regarding said data in said look-up table as table information when no table information is available using said bucket portion to access table information (see column 15, lines 1-7, Burrows).

¹ Referring to column 13, lines 60-67, Burrows uses the term bucket to denote words and their associated locations. Examiner interprets the steps 410, and 420 as a bucket.

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Other Prior Art Made of Record

1. Burrows (US Patent No. 5,745,889) discloses a method and parsing information of database records using word location pairs and metaword location pairs.
2. Burrows (US Patent No. 5724033) discloses a method for encoding delta values.

Points of Contact

Any inquiry concerning this communication or earlier communications from the examiner should be directed to: Sana Al-Hashemi whose telephone number is (703) 305-4881. The examiner can normally be reached on Monday - Friday from 8:00 AM to 4:30 PM. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Safet Metjahic, can be reached on (703) 308-1436. Any response to this office action should be mailed to: The Commissioner of Patents and Trademarks, Washington, D.C. 20231. Or telefax at phone number (703) 746-9890. For formal or draft communications, please label "PROPOSED" or "DRAFT". Hand-delivered response should be brought to Crystal Park II, 2121 Crystal Drive, 6th Floor Receptionist, Arlington, Virginia. 22202.

Sana Al-Hashemi
Patent Examiner
Technology Center 2100
July 8, 2003

WAYNE AMSBURY



WAYNE AMSBURY
PRIMARY PATENT EXAMINER